



CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Specifications and Advertisement for Bids for Type THHN Electrical Conductor for the Electric Utility Department

MEETING DATE: October 5, 1994

PREPARED BY: Electric Utility Director

RECOMMENDED ACTION: That the City Council approve the specifications and authorize advertisement for bids for the purchase of Type THHN conductor in various sizes for the Electric Utility Department.

BACKGROUND INFORMATION: This conductor will be used for the re-wiring of the streetlights in the downtown area.

Quantities in seven sizes and colors are required for this installation:

#12 Black:	5,000 feet
#10 Green:	12,500 feet
#8 Black:	8,500 feet
#6 Black:	7,500 feet
#6 White:	7,500 feet
#4 Black:	15,000 feet
#2 Black:	2,500 feet

THHN conductor is a thermoplastic insulated stranded copper wire with nylon sheathing, rated at 600 volts, with a high resistance to heat and moisture.

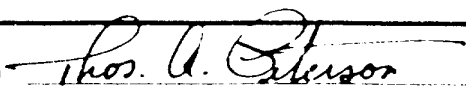
FUNDING: Included in the Electric Utility Department's 1994/1995 fiscal year budget.
Estimated Cost: \$12,000

BID OPENING: Wednesday, October 19, 1994


Henry J. Rice, Electric Utility Director

Prepared by Joel Harris, Purchasing Officer

APPROVED



THOMAS A. PETERSON
City Manager



recycled paper

SPECIFICATIONS

600 VOLT SINGLE CONDUCTOR INSULATED WIRE

General: This specification describes 600 Volt, single conductor, insulated wire of various colors and sizes for use on City of Lodi projects.

Conductor type: 19 strand, annealed copper

Insulation type: THHN, 90° C Wet, 90° C dry and 75° C when exposed to oil or coolant.

Voltage rating: 600 Volt

Standards: Manufacturing and testing shall meet or exceed applicable ASTM specifications, federal specification J-C-30 and UL Standard # 83.

Conductor Size (AWG)	Wire Color	Quantity	Reel makeup Quantity/Size(ft)
# 12	Black	5,000	2 / 2500
# 10	Green	12,500	5 / 2500
# 8	Black	8,500	3 / 2500 and 1 / 1000
# 6	Black	7,500	3 / 2500
# 6	White	7,500	3 / 2500
# 4	Black	15,000	6 / 2500
# 2	Black	2,500	1 / 2500